



## 1 Identification of the substance / preparation and of the company

### Final

**Article number: 151501/151505/151510**

**Use:** Polishing suspension  
**Identified use:** none  
**Method of operation:** See product information.  
**Company:** Buehler GmbH  
 In der Steele 2  
 D-40599 Düsseldorf / GERMANY  
 Phone: 0800 707 6273  
 Fax: 0800 707 6274  
 Homepage: www.buehler-met.de/en/  
 E-mail: sales@buehler.co.uk  
**Emergency phone:** 0800 707 6273 (Only valid if dialled within the UK) +49 (0) 211 974100  
**Responsible:** Schroeder@chemiebuero.de

## 2 Hazards identification

**Physico-chemical hazards:** No particular hazards known.  
**Human health dangers:** Frequent persistent contact with the skin can cause skin irritation.  
**Other hazards:** none  
**Hazard symbols:** none  
**R-phrases:** none

## 3 Composition / Information on ingredients

Range [%]	Substance
20 - < 40	Silicon dioxide
	CAS: 7631-86-9, EINECS/ELINCS: 231-545-4 EU-INDEX: ECB-Nr.:
	GHS/CLP: -
	EEC:

**Comment on component parts:** Substances of Very High Concern - SVHC: substances are not contained or below 0,1%.  
 For the wording of the listed risk phrases refer to section 16.

## 4 First aid measures

**General information:** Change soaked clothing.  
**Inhalation:** Ensure supply of fresh air.  
 In the event of symptoms seek for medical treatment.  
**Skin contact:** When in contact with the skin, clean with soap and water.  
 Consult a doctor if skin irritation persists.  
**Eye contact:** In case of contact with eyes rinse thoroughly with water.  
 In the event of symptoms seek for medical treatment.  
**Ingestion:** Seek medical advice immediately.  
 Rinse out mouth and give plenty of water to drink.  
 Induce the patient to vomit of his own accord only if fully conscious.  
**Advice to doctor:** Treat symptomatically.

## 5 Fire-fighting measures

**Suitable extinguishing media:** Product itself is non-combustible. Fire extinguishing method of surrounding areas must be considered.  
**Extinguishing media that must not be used:** Full water jet.  
**Special exposure hazards arising from the substance or preparation itself or combustion products:** Unknown risk of formation of toxic pyrolysis products.  
**Special protective equipment for firefighters:** Use self-contained breathing apparatus.  
**Additional information:** Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

## 6 Accidental release measures

<b>Personal precautions:</b>	High risk of slipping due to leakage/spillage of product.
<b>Environmental precautions:</b>	Do not discharge into the drains/surface waters/groundwater.
<b>Methods for cleaning up:</b>	Pick up with absorbent material (e.g. sand, sawdust, universal absorbent, diatomaceous earth). Dispose of absorbed material in accordance within the regulations.

## 7 Handling and storage

<b>Advice on safe handling:</b>	No special measures necessary if used correctly.
<b>Advice on protection against fire and explosion:</b>	No special measures necessary.
<b>Requirements for storage rooms and vessels:</b>	Keep only in original container.
<b>Advice on storage compatibility:</b>	No special measures necessary.
<b>Further information on storage conditions:</b>	Keep container tightly closed.

## 8 Exposure controls / personal protection

**Additional advice on system design:** Ensure adequate ventilation on workstation.

### Ingredients with occupational exposure limits to be monitored: (GB)

Range [%]	Substance / WEL: Workplace exposure limit
20 - < 40	Silicon dioxide / - ppm, 4 mg/m <sup>3</sup> , total inhalable dust

<b>Respiratory protection:</b>	not applicable
<b>Hand protection:</b>	Butyl rubber, >120 min (EN 374). The details concerned are recommendations. Please contact the glove supplier for further information.
<b>Eye protection:</b>	Safety glasses.
<b>Skin protection:</b>	not applicable
<b>General protective measures:</b>	Avoid contact with eyes and skin.
<b>Hygiene measures:</b>	Wash hands before breaks and after work. Use barrier skin cream.
<b>Delimitation and monitoring of the environmental exposition:</b>	not determined

## 9 Physical and chemical properties

<b>Form:</b>	liquid
<b>Color:</b>	whitish
<b>Odor:</b>	odourless
<b>pH-value:</b>	9,2-10,0
<b>pH-value [1%]:</b>	not determined
<b>Boiling point [°C]:</b>	100
<b>Flash point [°C]:</b>	not applicable
<b>Flammability [°C]:</b>	not applicable
<b>Lower explosion limit:</b>	not applicable
<b>Upper explosion limit:</b>	not applicable
<b>Oxidizing properties:</b>	no
<b>Vapour pressure [kPa]:</b>	3,2 (25°C)
<b>Density [g/ml]:</b>	1,19 (20°C / 68,0°F)
<b>Bulk density [kg/m<sup>3</sup>]:</b>	not applicable
<b>Solubility in water:</b>	partially miscible
<b>Partition coefficient [n-octanol/water]:</b>	not applicable
<b>Viscosity:</b>	not applicable
<b>Relative vapour density determined in air:</b>	not applicable
<b>Evaporation speed:</b>	not applicable
<b>Melting point [°C]:</b>	0
<b>Autoignition temperature [°C]:</b>	not applicable
<b>Decomposition temperature:</b>	not applicable

**10 Stability and reactivity**

**Hazardous reactions:** No hazardous reactions known.  
**Hazardous decomposition products:** No hazardous decomposition products known.

**11 Toxicological information**

**Acute oral toxicity:** not determined  
**Acute dermal toxicity:** not determined  
**Acute inhalational toxicity:** not determined  
**Irritant effect on eye:** not determined  
**Irritant effect on skin:** not determined  
**Sensitization:** not determined  
**Subacute toxicity:** not determined  
**Chronic toxicity:** not determined  
**Mutagenicity:** not determined  
**Reproduction toxicity:** not determined  
**Carcinogenicity:** not determined  
**Experiences made in practice:** none  
**General remarks:** Toxicological data are not available.  
 No classification on the basis of the calculation procedure of the preparation directive.

**12 Ecological information**

**Fish toxicity:** not determined  
**Daphnia toxicity:** not determined  
**Behaviour in environment compartments:** not determined  
**Behaviour in sewage plant:** not determined  
**Bacteria toxicity:** not determined  
**Biological degradability:** not determined  
**COD:** not determined  
**BOD 5:** not determined  
**AOX-advice:** not applicable  
**2006/11/EC:** not applicable  
**General information:** No classification on the basis of the calculation procedure of the preparation directive.

**13 Disposal considerations**

**Product:** Coordinate disposal with the authorities if necessary.  
**Contaminated packaging:** Uncontaminated packaging may be taken for recycling.  
**Waste no. (recommended):** 120199

**14 Transport information**

**Classification according to ADR:** NO DANGEROUS GOODS  
**Classification according to IMDG:** NOT CLASSIFIED AS "DANGEROUS GOODS"  
**Classification according to IATA:** NOT CLASSIFIED AS "DANGEROUS GOODS"

**15 Regulatory information**

<b>Exposure scenario:</b>	not determined
<b>Chemical safety report:</b>	not determined
<b>Labelling:</b>	The product does not require a hazard warning label in accordance with EC-directives.
<b>Hazard symbols:</b>	none
<b>R-phrases:</b>	none
<b>S-phrases:</b>	none
<b>Special labelling:</b>	Safety data sheet available for professional user on request.
<b>EEC-REGULATIONS:</b>	1967/548 (2008/58, 30. ATP/ 31. ATP); 1991/689 (2001/118); 1999/13; 2004/42; 648/2004; 1907/2006 (Reach); 1272/2008; 75/324/EWG (2008/47/EG)
<b>TRANSPORT-REGULATIONS:</b>	DOT-Classification, ADR (2009); IMDG-Code (34. Amdt.); IATA-DGR (2010).
<b>NATIONAL REGULATIONS (GB):</b>	EH40/2005 Workplace exposure limits with amendments October 2007. CHIP 3/ CHIP 4
<b>Authorisation, TITEL VII:</b>	not applicable
<b>Restrictions, TITEL VIII:</b>	not applicable

**16 Other informations**

<b>Observe employment restrictions for people:</b>	no
<b>VOC (1999/13/CE):</b>	0%

Disclaimer: This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

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